

ROUGH DRAFT : for Discussion Only
Outline of Agencies Biological Goals and Objectives
San Joaquin River Tributaries

Framework:

1. Manage as a System
 - a. Ecological Fair Share
 - i. Each Tributary must be viable for Key Species and Processes
 - ii. Each Tributary must contribute to overall system
 - b. Use Humans and Biological Communities to help reach overall management
 - c. Manage Ecosystems and Services over time
 - d. Natural Science of science
2. Adaptive Management
 - a. AM - Biological
 - i. Complete knowledge
 1. Original
 2. Modified
 3. New and rebuild biodiversity
 - ii. System
 1. Climate
 2. Social Changes, flood
 3. Invasive Species
 4. Implementation on-going (over time)
 5. Tipping points, crisis
 - b. AM Implementation
 - i. Distributed Representation
 1. Monitoring
 2. Synthesis
 3. Communication
 4. Re-evaluation
 - ii. Based on science
 - iii. Fosters regional knowledge and stewardship
 - iv. Need to Clarify Range of “Adaptive” Actions
3. Keystone Species/ Biological Communities
 - a. Keystone Species
 - i. Fall-run Chinook Salmon
 1. Protective/supportive/viable of all life stages (viability based on Lindley et. al)
 - a. Juvenile production
 - b. juvenile passage to, through and out of Delta

